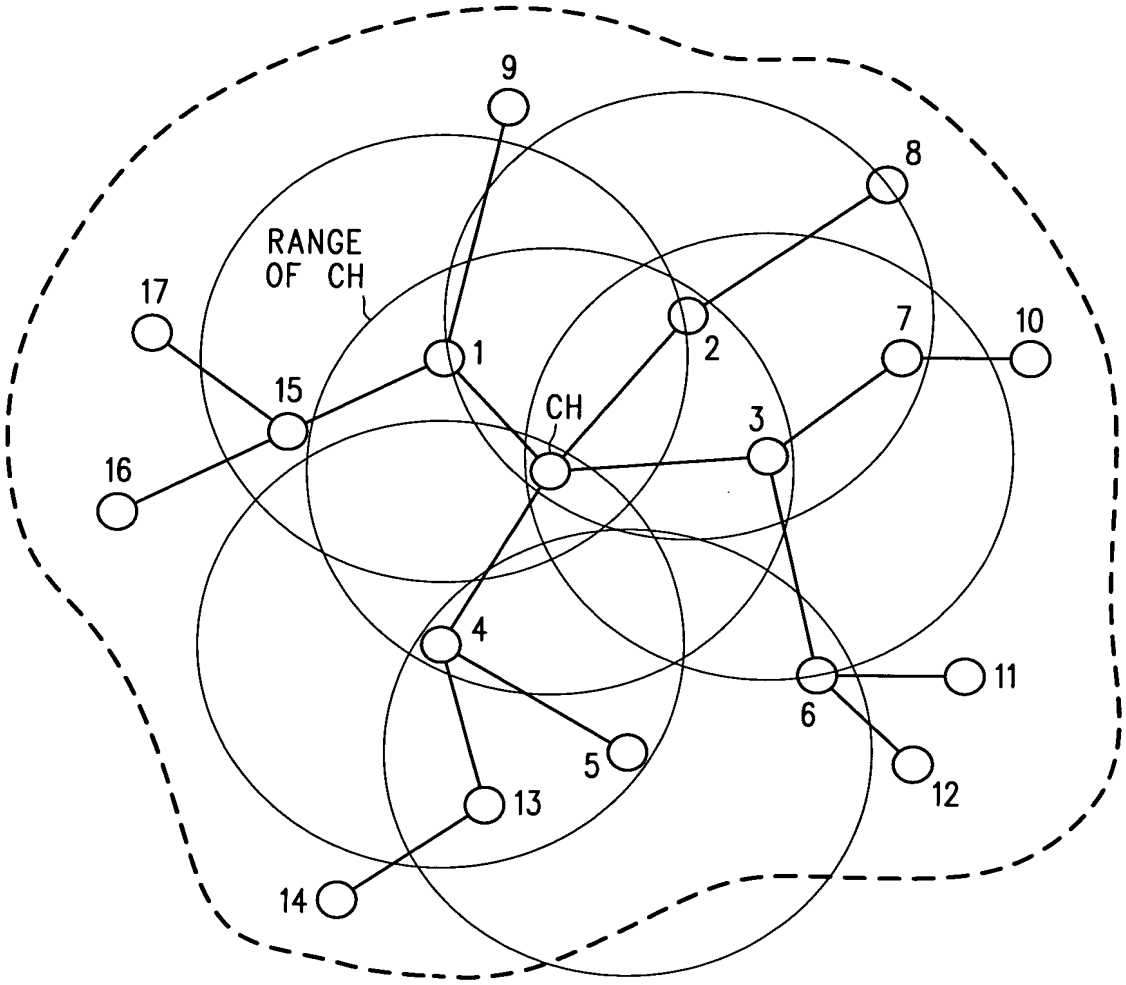

FIG. 1

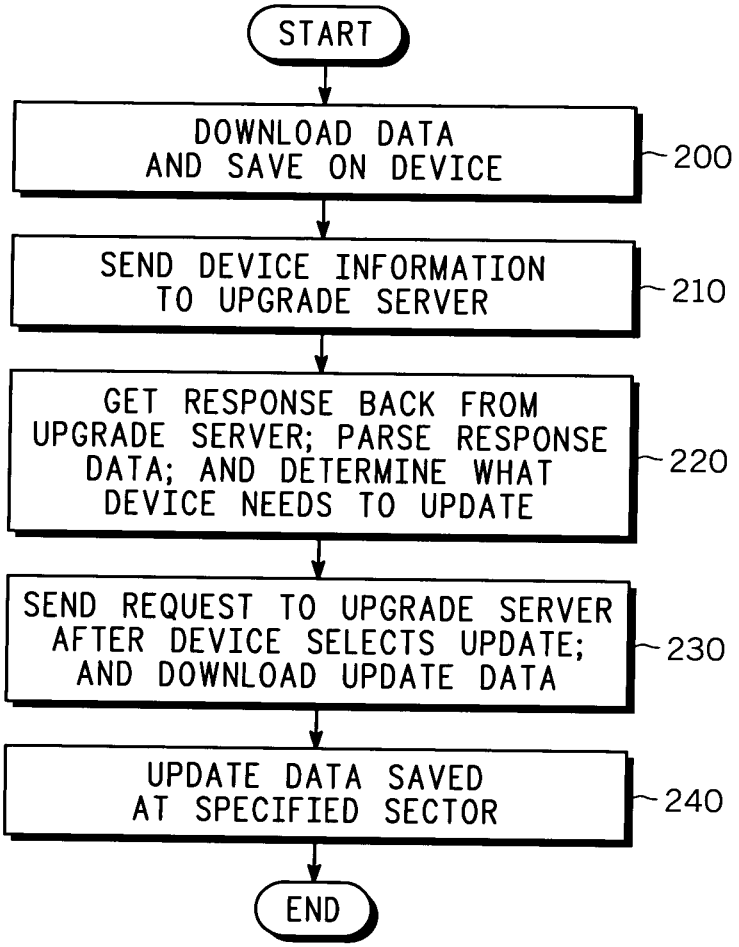

FIG. 2

FIG. 3

START ADDRESS	DATA SIZE	TOTAL BLOCK NUMBER
CURRENT BLOCK NUMBER	DATA	CHECKSUM

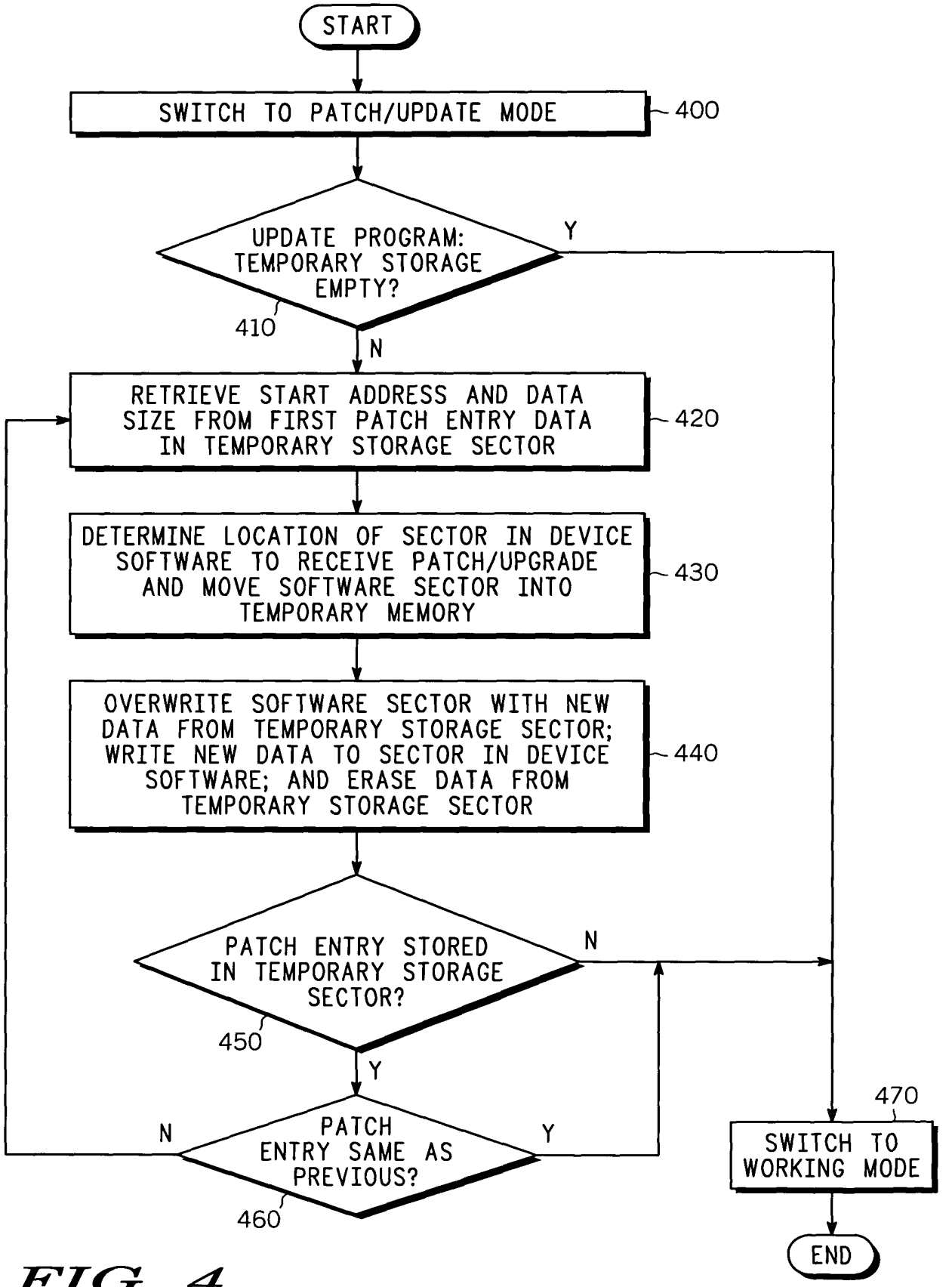
START
SWITCH TO PATCH/UPDATE MODE
400
UPDATE PROGRAM: TEMPORARY STORAGE EMPTY?
410
Y
N
RETRIEVE START ADDRESS AND DATA SIZE FROM FIRST PATCH ENTRY DATA IN TEMPORARY STORAGE SECTOR
420
DETERMINE LOCATION OF SECTOR IN DEVICE SOFTWARE TO RECEIVE PATCH/UPGRADE AND MOVE SOFTWARE SECTOR INTO TEMPORARY MEMORY
430
OVERWRITE SOFTWARE SECTOR WITH NEW DATA FROM TEMPORARY STORAGE SECTOR; WRITE NEW DATA TO SECTOR IN DEVICE SOFTWARE; AND ERASE DATA FROM TEMPORARY STORAGE SECTOR
440
PATCH ENTRY STORED IN TEMPORARY STORAGE SECTOR?
450
N
Y
PATCH ENTRY SAME AS PREVIOUS?
460
N
Y
470
SWITCH TO WORKING MODE
END

FIG. 4

17F5	MOVE
17F6	INC
17F7	MPY
17F8	MOVE

FIG. 5

17F5	MOVE
17F6	DEC
17F7	MPY
17F8	MOVE

FIG. 6

17F5	MOVE
17F6	INC
17F7	ADD
17F8	MPY
17F9	MOVE

FIG. 7

17F5	MOVE
17F6	JMP
17F7	2000
17F8	MOVE

FIG. 8

2000	INC
2001	ADD
2002	JMP
2003	MPY
2004	17F8

FIG. 9
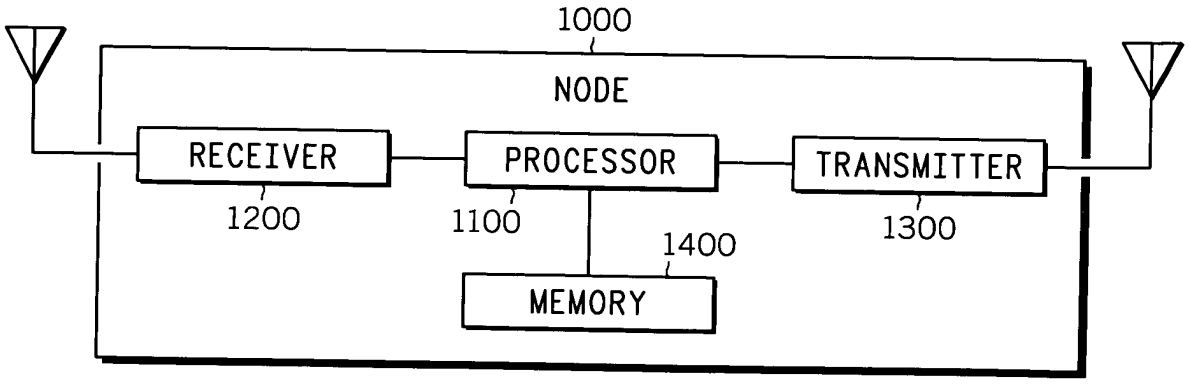
FIG. 10